

FIG.1

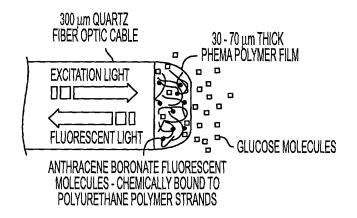


FIG. 2

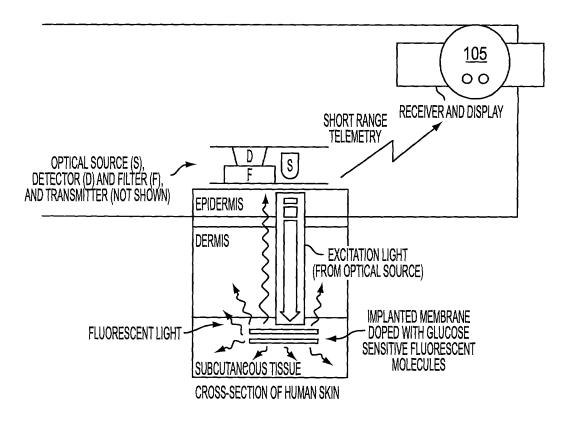


FIG. 3

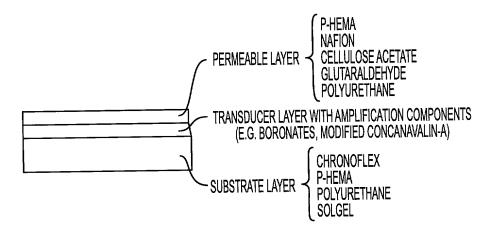


FIG. 4A

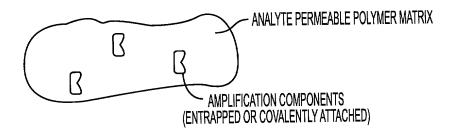


FIG. 4B

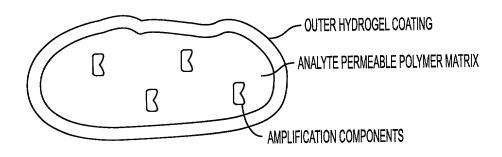


FIG. 4C

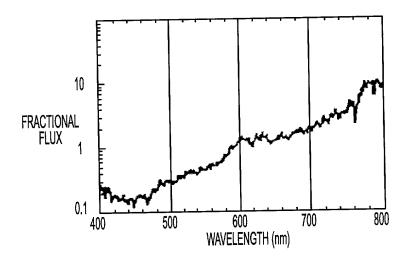


FIG. 5

## FIG. 6

X = 0, S  $R_1 = H, Me, Et$   $R_2 = H, Me, Et$   $R_3 = H, Me$   $R_4 = H, Me$ 

FIG. 7

$$\begin{array}{c} \text{HO} \\ \text{H}_3\text{CM} \\ \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \\ \text{OH} \\ \text{OH}$$

$$\begin{array}{c} OH \\ I \\ B \\ OH \end{array}$$

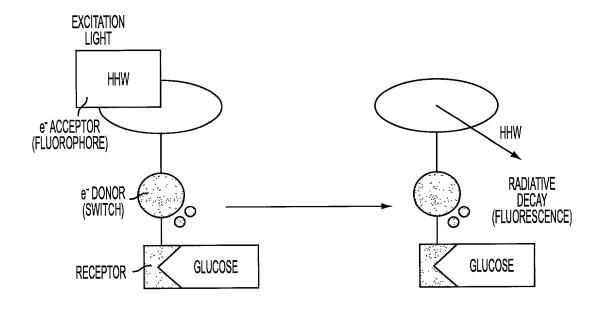
$$\begin{array}{c} OH \\ B \\ OH \end{array}$$

$$\begin{array}{c} OH \\ B \\ OH \end{array}$$

FIG. 8

FIG. 9A

FIG. 9B



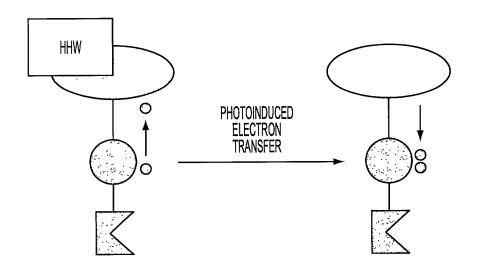


FIG.10

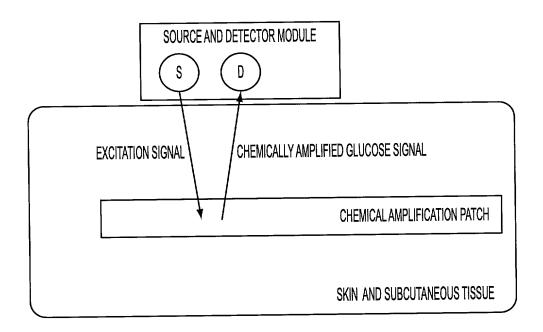
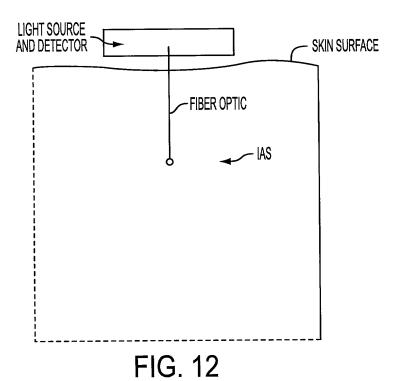


FIG. 11



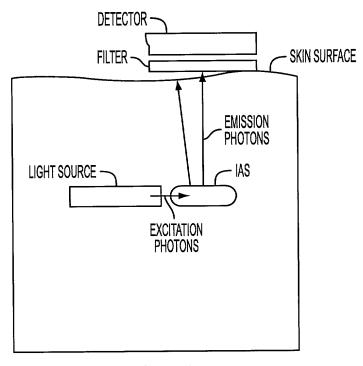


FIG. 13

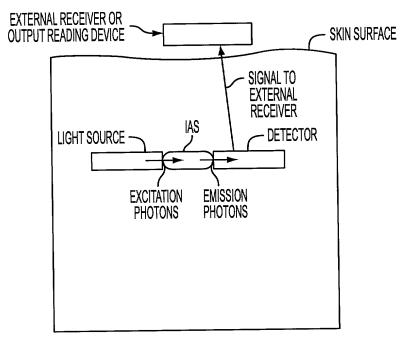


FIG. 14

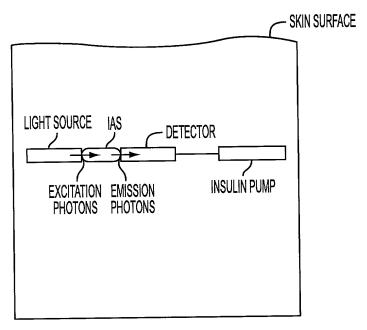


FIG. 15

FIG. 16

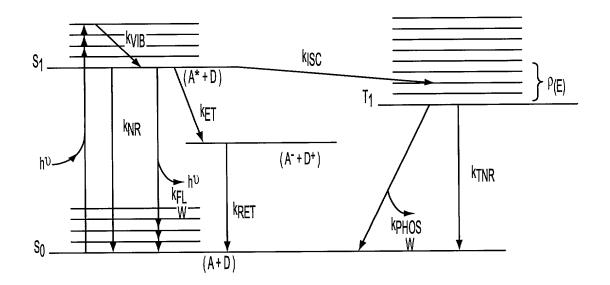


FIG. 17A

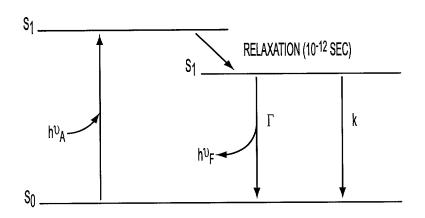


FIG. 17B

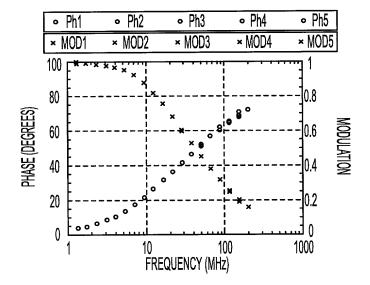


FIG. 18

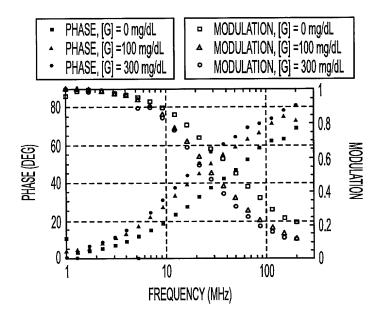


FIG. 19

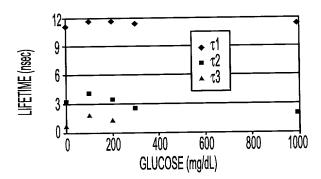


FIG. 20

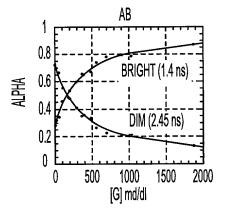


FIG. 21

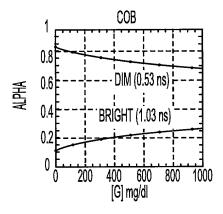


FIG. 22

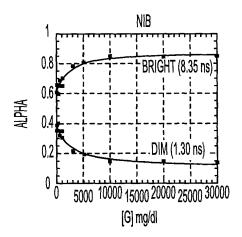


FIG. 23A

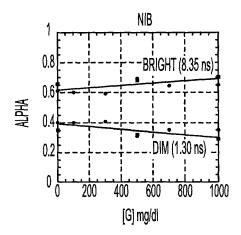


FIG. 23B

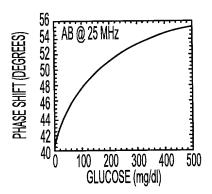


FIG. 24A

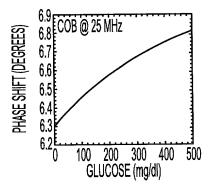


FIG. 24B

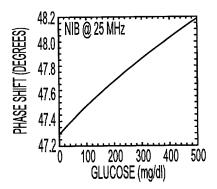


FIG. 24C

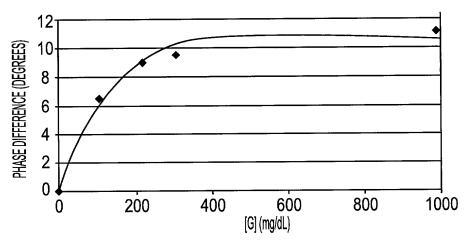


FIG. 25

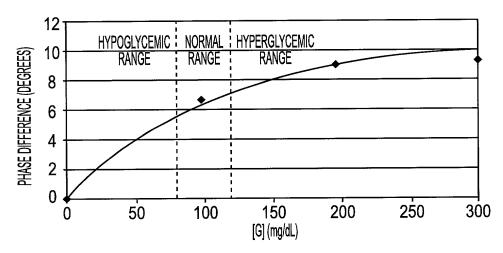


FIG. 26

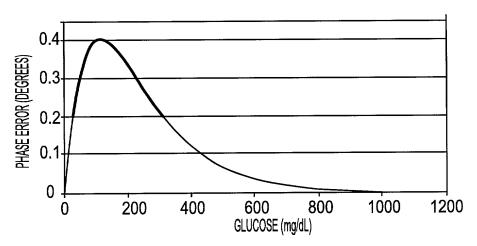


FIG. 27

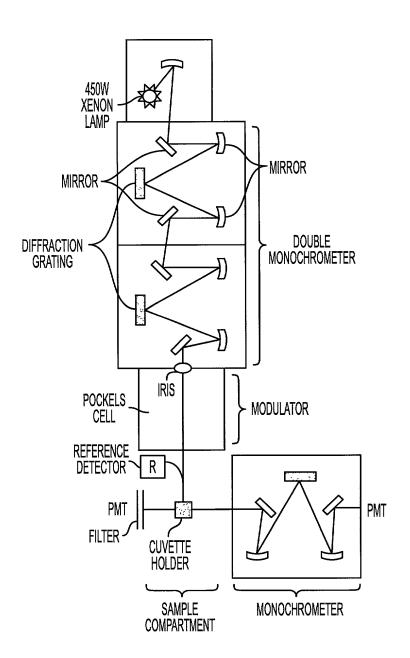


FIG. 28

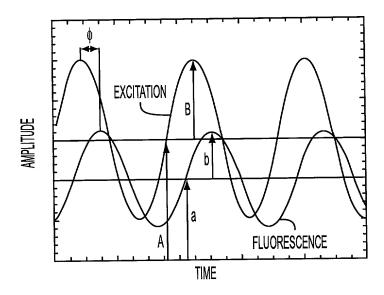


FIG. 29

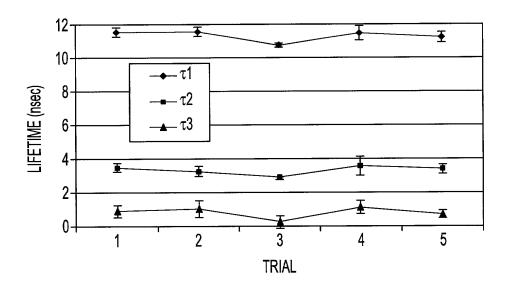


FIG. 30

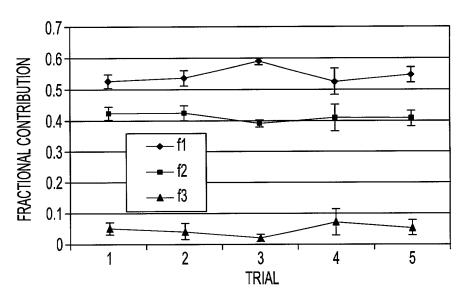


FIG. 31

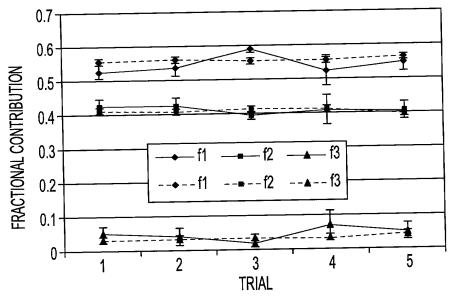


FIG. 32

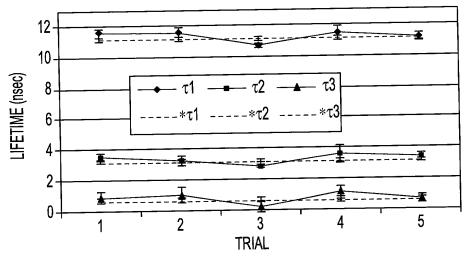


FIG. 33

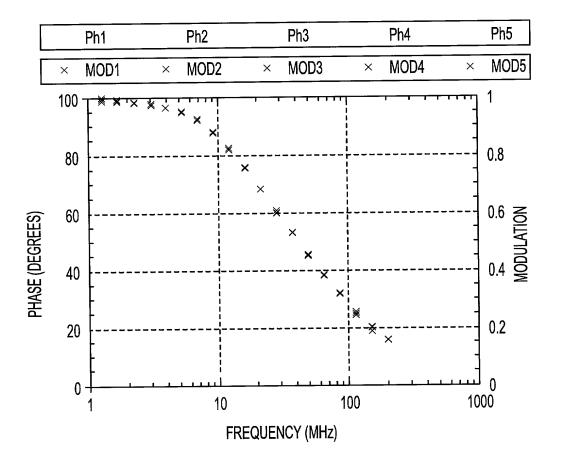


FIG. 34

FIG. 35A

ArNH<sub>2</sub> 
$$\xrightarrow{+\text{ONO, CuBr}_2}$$
 ArBr  $\xrightarrow{\textcircled{DBrLi}}$  Ar B(OH)<sub>2</sub>  $\textcircled{3}$  H<sub>2</sub>O

FIG. 35B

ArMe 
$$\xrightarrow{NBS, hv}$$
 ArCH<sub>2</sub>Br  $\xrightarrow{CH_3NH_2}$  ArCH<sub>2</sub>NHCH<sub>3</sub>

$$\xrightarrow{[OX]}$$
 ArCHO  $\xrightarrow{CH_3NH_2}$  NaBH<sub>4</sub>

FIG. 35C

ArCH<sub>2</sub>NHCH<sub>3</sub>

$$\begin{array}{c}
Br \\
B(OH)_2 \\
\hline
O B(OH)_2
\end{array}$$

$$ArCH_2 - N O B(OH)_2$$

FIG. 35D

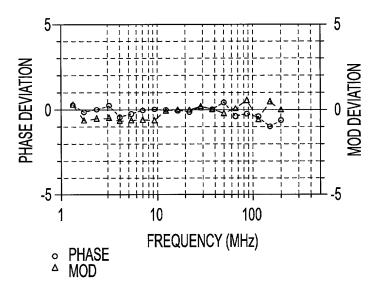


FIG. 36A

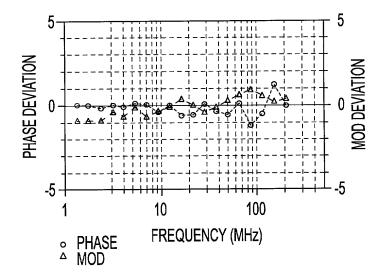


FIG. 36B

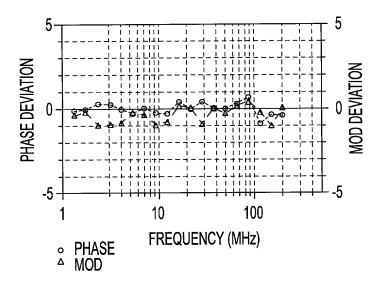


FIG. 36C

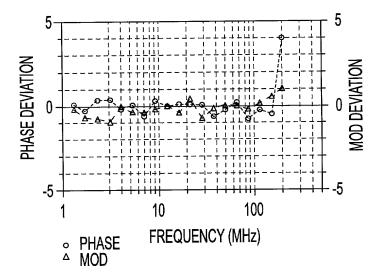


FIG. 36D

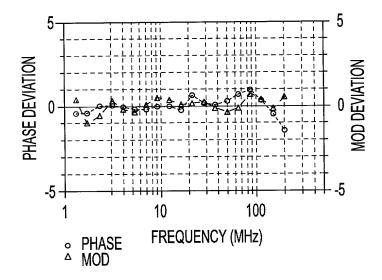
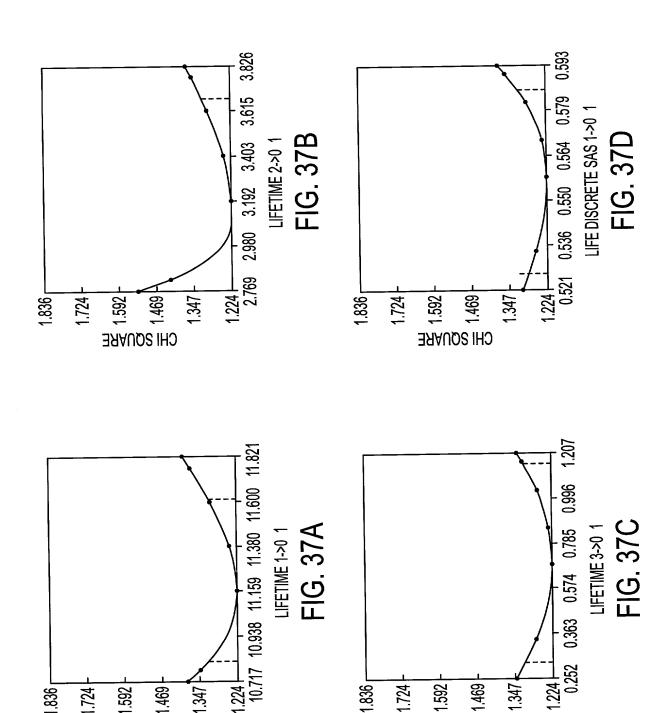


FIG. 36E



CHI SQUARE

1.724

939

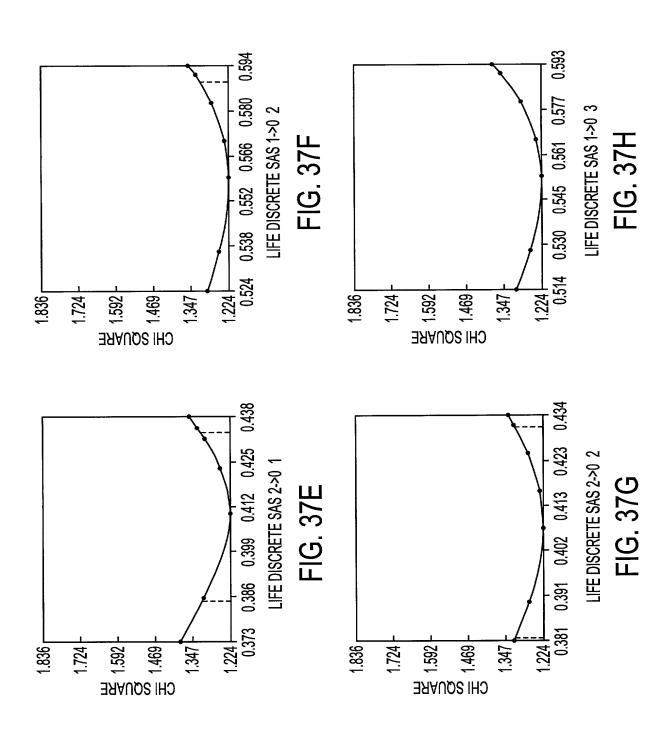
1.347

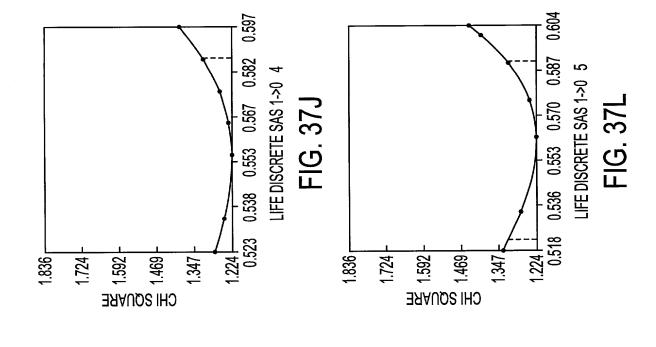
CHI SQUARE

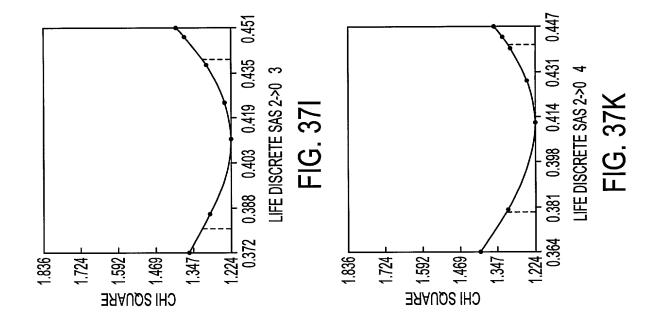
1.836

1.724

1.347







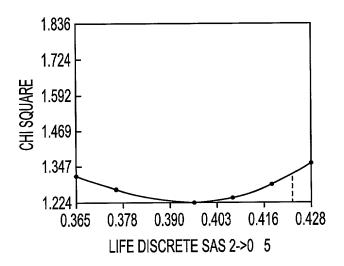
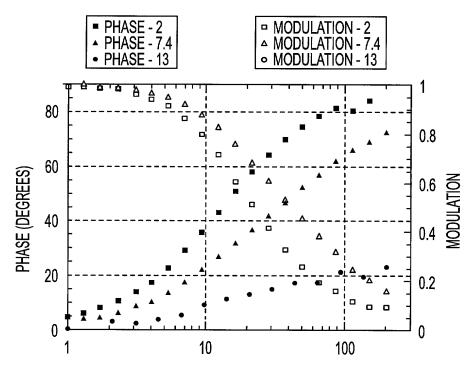


FIG. 37M



FREQUENCY (MHz)

FIG. 38

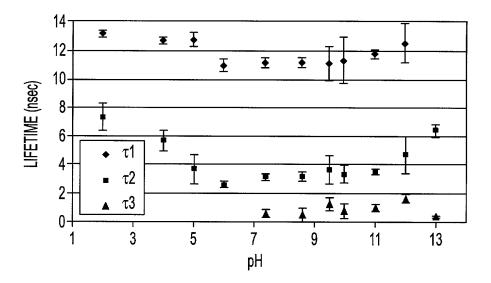
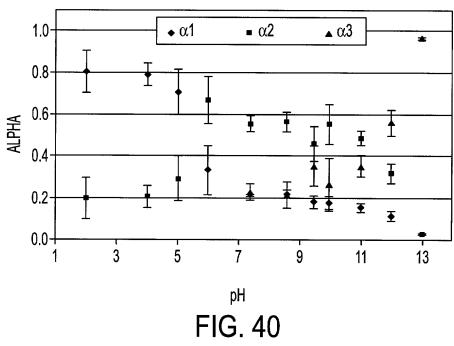
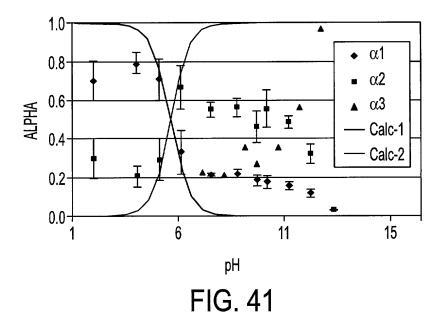


FIG. 39





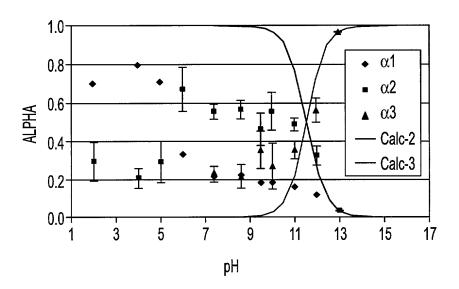


FIG. 42

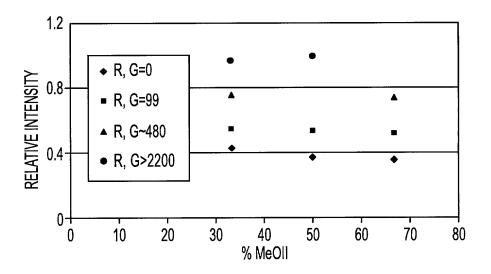


FIG. 43